

# Community Data Project:

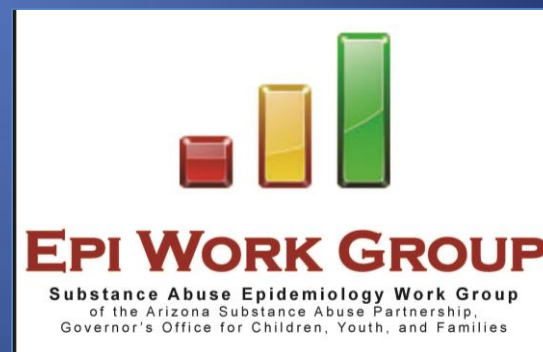
## *Using Data to Empower Arizona Communities*

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## **Thanks & Acknowledgements:**

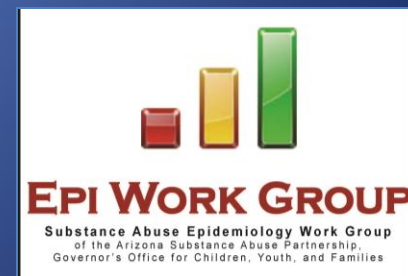
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**Tammy B. Paz-Combs**, Director,

Governor's Office for Children, Youth and Families (GOCYF)

and, to the **Substance Abuse Epidemiology Work Group**

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## Overview:

- History of the Community Data Project (CDP)
- Data available on the CDP
- How to use the data



## Epi Work Group...An Overview

- The *Epi Work Group* is Arizona's State Epidemiological Outcomes Workgroup.
- The group was formed in 2004 as a requirement of the Strategic Prevention Framework State Incentive Grant (SPF SIG).
- The mission of the Epi Work Group is to provide communities, policymakers and local, state and tribal officials with data on the use, consequences and context of alcohol and illicit, over-the-counter, and prescription drugs to inform their substance abuse prevention and intervention strategies.



In response to the need for available and accessible data, the  
*Arizona Criminal Justice Commission* created the...

## Community Data Project

... a central repository for Arizona's substance abuse and crime data developed to enhance data-driven decision-making, programmatic monitoring, and reporting consistency.





## Sources of Data Include:

- US Census Bureau
- Arizona Department of Transportation
  - Arizona Motor Vehicle Crash Facts
- Department of Public Safety
  - Crime in Arizona
- Arizona Department of Health Services
  - Hospital Admissions
  - Emergency Department Visits



## Largest Data Set

- Arizona Youth Survey (AYS)
  - More than 60,000 students
  - 8<sup>th</sup>, 10<sup>th</sup>, and 12<sup>th</sup> grades
  - Biennially from 2002-2014 (7 surveys)
  - Demographics include grade, gender, race, ethnicity

## Current Indicators and Their Utility

- **Consumption**
  - Used to assess the current use problem and/or track the prevalence of use over time
- **Consequences**
  - The correlative outcomes of the substance-use problem; can be used as one proxy for return on investment
- **Context**
  - Factors that influence (amplify or deter) decision-making about substance use and other risky behaviors
- **Other**
  - A set of useful resources related to substance use

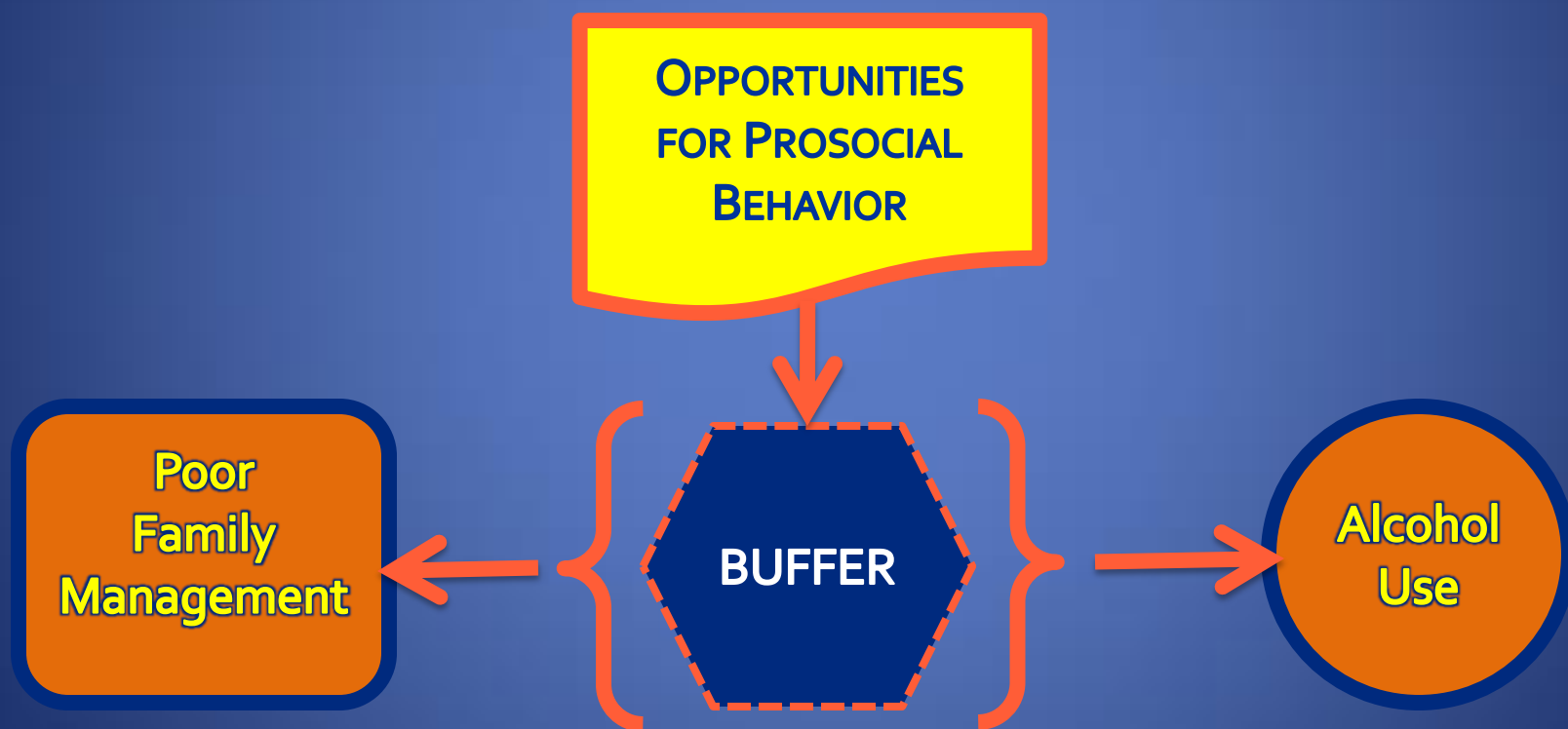


## Scales that Measure

- **Risk Factors:** personal and environmental factors that may increase chances for engaging in or demonstrating risky behaviors (e.g. family conflict, academic struggles, rebellious attitudes, etc.)
- **Protective Factors:** conditions or attributes in individuals, families, and communities that increase health and well-being
- **Risk and Protective Factors:** things that buffer the likelihood of engaging in risky behavior AND the factors that put individuals, families, and communities at risk



## Using Models: Risk Reduction (Buffer) Approach





## Finding the CDP

- Google "Arizona Community Data Project"
  - It will likely be the first choice
- <http://www.bach-harrison.com/arizonadataproject>



## I've got this data, so now what?

### Grant Writing/Reports

- **Credibility** – illustrates need, identifies groups in particular need, demonstrates that you have done your homework, and that you have a source for tracking your progress over time, if funded
- **Illustration and description** – can increase your odds of funding



## PREVENTION AND INTERVENTION PLANNING

*Data should be used to guide where you put your resource dollars. Consider these guiding questions to help focus your planning efforts:*

- **What is the problem?** - Identify patterns and avoid assumptions.
- **Who** is most affected by the problem? Gender, age, race, and ethnicity all matter - one size does not fit all.
- **When did it become a problem?** Has it increased over time, where does it stand now? One piece of the puzzle is not a complete picture.
- **Where are the most affected people located?** How does that region compare to the county, state and national problem; is it problematic in the community, in the home, in the schools? Avoid the ecological fallacy!
- **Why is the problem increasing?** What environmental risk factors are present? What protective factors could help buffer the problem?



## Data for Decision Making

*Things to keep in mind when using the CDP website to gather data specific to your population/region of interest:*

- **Let the evidence speak for itself:** clear, concise and concrete
- **Demonstrate the Return on Investment (ROI)**
- **Rule of thumb: ONE-PAGER**, why it's a problem, what you want, how it will make a difference, and the utility (e.g., cost-benefit analyses) of the proposed change
- **Identify any existing partners** and support the creation of new partnership
- Buy-in is critical – **“what's in it for them”**
- Highlight data that **demonstrates what's going well** first





## Using Data to Evaluate and Sustain Efforts

- **Process Evaluation**

- Documents and analyzes the early development and implementation of a strategy or program, assessing the extent that activities were implemented as planned

- **Outcome Evaluation**

- Looks specifically at the resulting effect(s) a program or initiative has had on a specific problem(s)
- The CDP houses many forms of data to help with outcome evaluations since it tracks indicators over time

# Example Data

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Arizona Community Data Project

Home | How to Use | Indicators | Data Sources | About | Contact | Resources | Tutorials

## Indicators

Instructions | View Data | Indicator Browse | **Indicator Search** | Search By Contextual Factor

Search Text:

Fields to Search: ☒ Indicator ☐ Description ☐ Source

Category: ☐ Crime ☐ Criminal Justice ☒ Substance Use [check all](#) [clear](#)

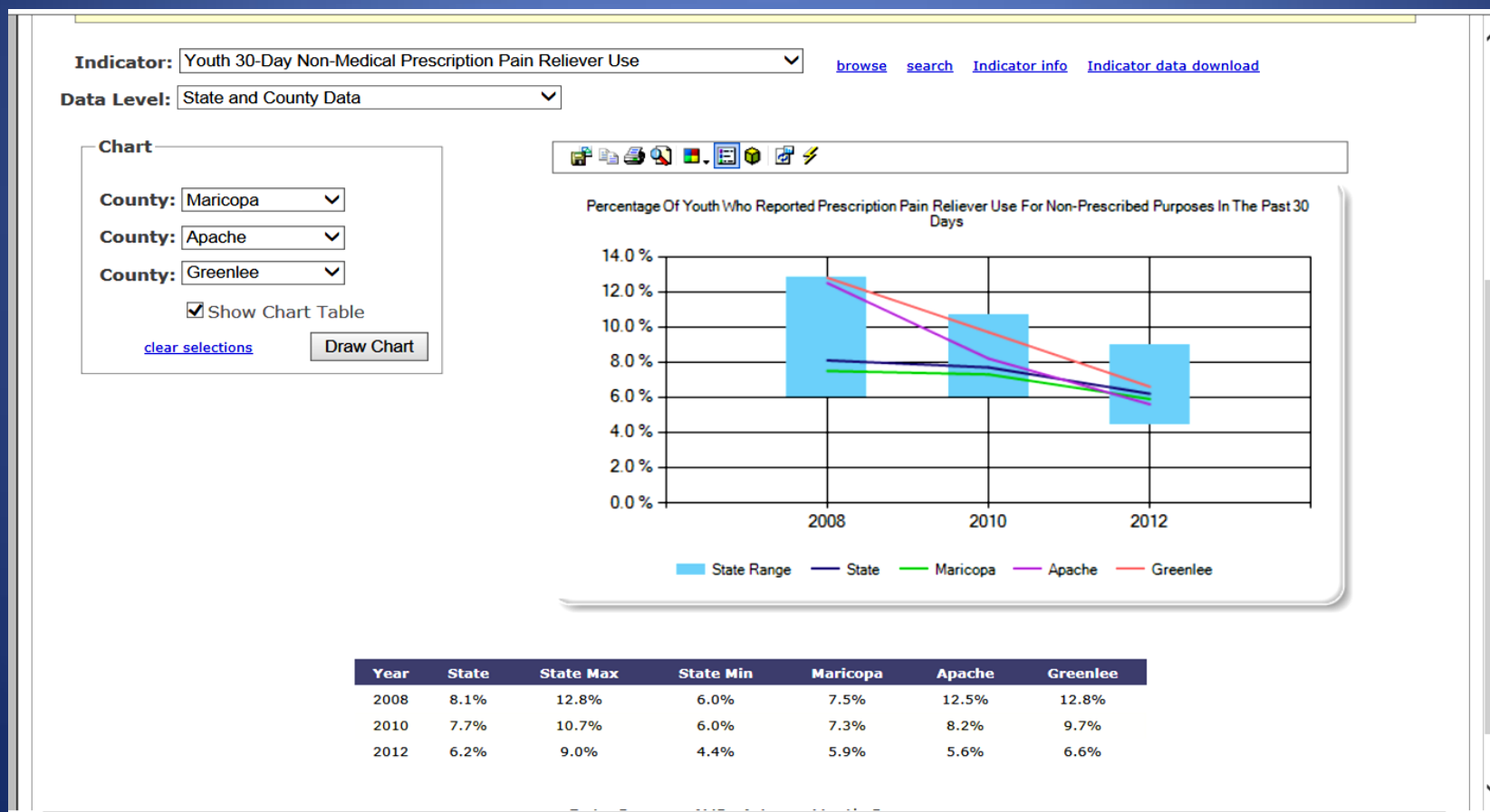
Other: ☒ Arizona Youth Survey [check all](#) [clear](#)

Indicator Type: ☐ Consequence ☒ Consumption ☒ Contextual Factor ☐ Criminal Justice ☐ Other [check all](#) [clear](#)

Substance Type: ☐ Alcohol ☐ Alcohol and Drugs ☒ Illicit Drugs ☐ Not Specific ☐ Tobacco [check all](#) [clear](#)

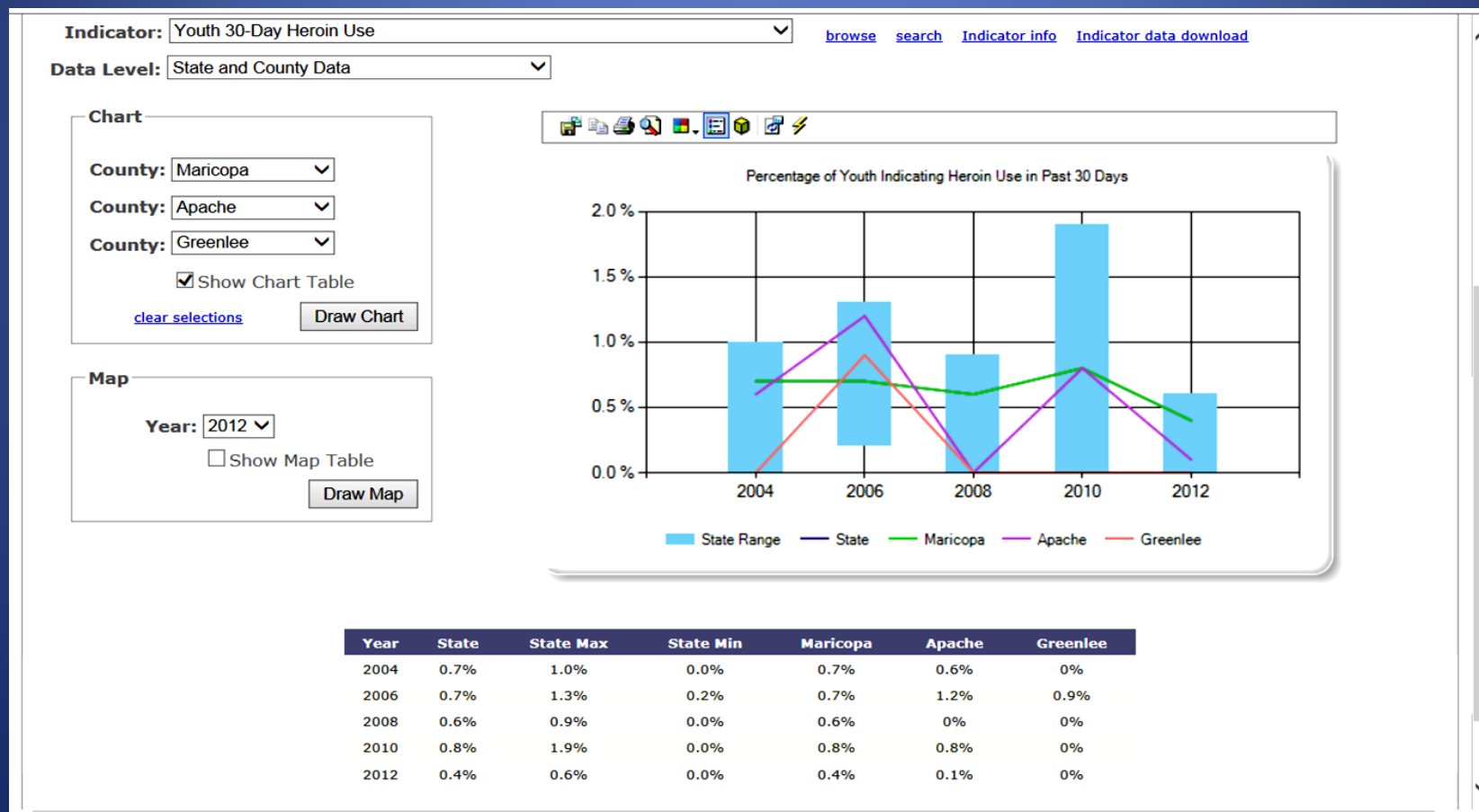
Indicator	Indicator Type	Substance Types	Contextual Factor	Description	Source
<a href="#">Age Of Marijuana Initiation</a>	Consumption	Illicit Drugs	Not Applicable	Average age of first marijuana use as reported by 8th, 10th, and 12th graders.	AYS- Arizona Youth Survey
<a href="#">Age Of Methamphetamine Initiation</a>	Consumption	Illicit Drugs	Not Applicable	Average age of first methamphetamine use as reported by 8th, 10th, and 12th graders.	AYS- Arizona Youth Survey
<a href="#">Attitudes Favorable Toward Drug Use Risk Factor Scale</a>	Contextual Factor	Illicit Drugs	Attitudes favorable toward drug use	Percentage of youth categorized as high in risk on the "attitudes favorable toward drug use" risk factor scale.	AYS- Arizona Youth Survey

# 30-Day Rx Pain Reliever Misuse Arizona Youth Survey



Year	State	State Max	State Min	Maricopa	Apache	Greenlee
2008	8.1%	12.8%	6.0%	7.5%	12.5%	12.8%
2010	7.7%	10.7%	6.0%	7.3%	8.2%	9.7%
2012	6.2%	9.0%	4.4%	5.9%	5.6%	6.6%

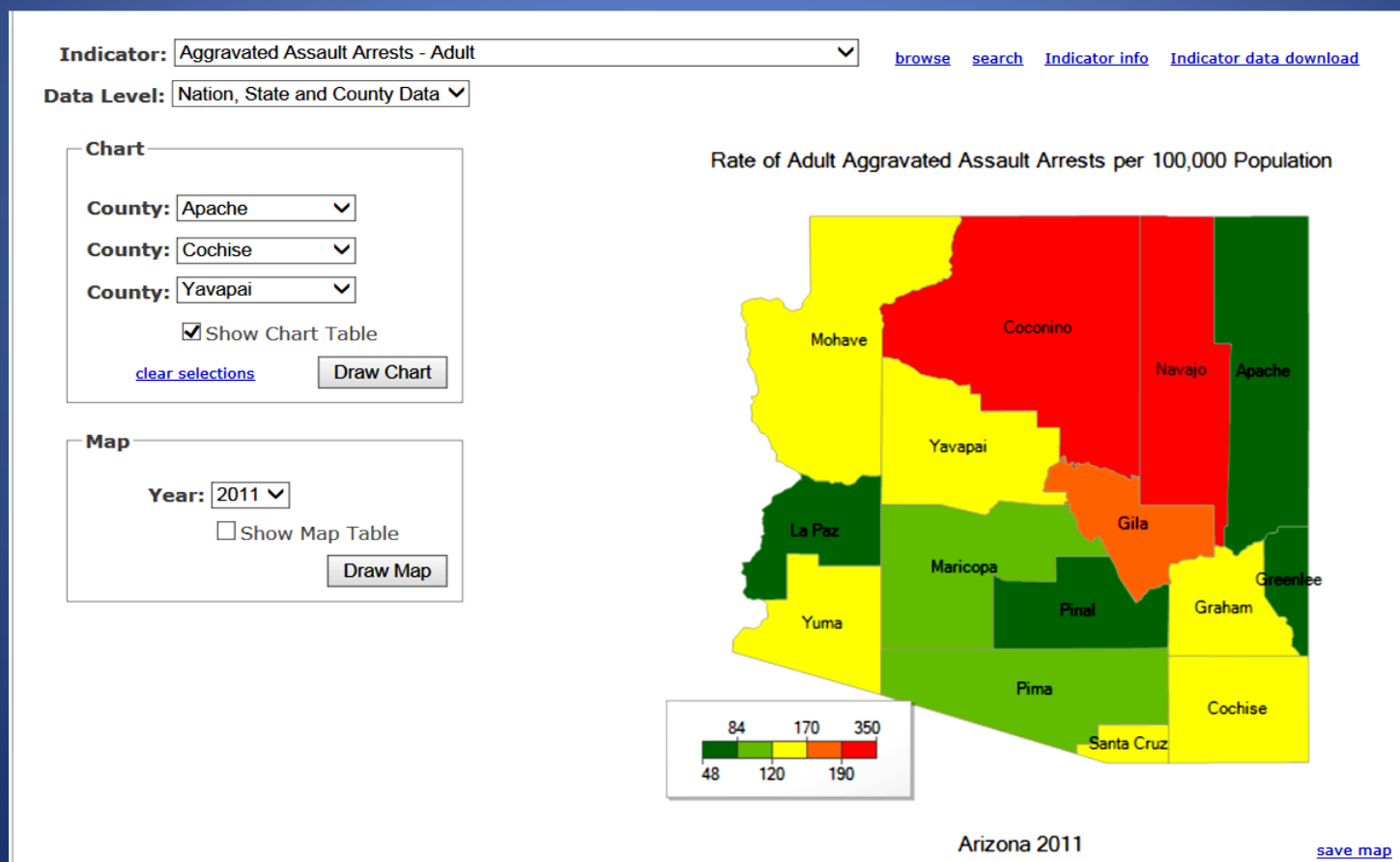
# 30-Day Heroin Use Arizona Youth Survey



Year	State	State Max	State Min	Maricopa	Apache	Greenlee
2004	0.7%	1.0%	0.0%	0.7%	0.6%	0%
2006	0.7%	1.3%	0.2%	0.7%	1.2%	0.9%
2008	0.6%	0.9%	0.0%	0.6%	0%	0%
2010	0.8%	1.9%	0.0%	0.8%	0.8%	0%
2012	0.4%	0.6%	0.0%	0.4%	0.1%	0%

# Aggravated Assault Arrests – Adult

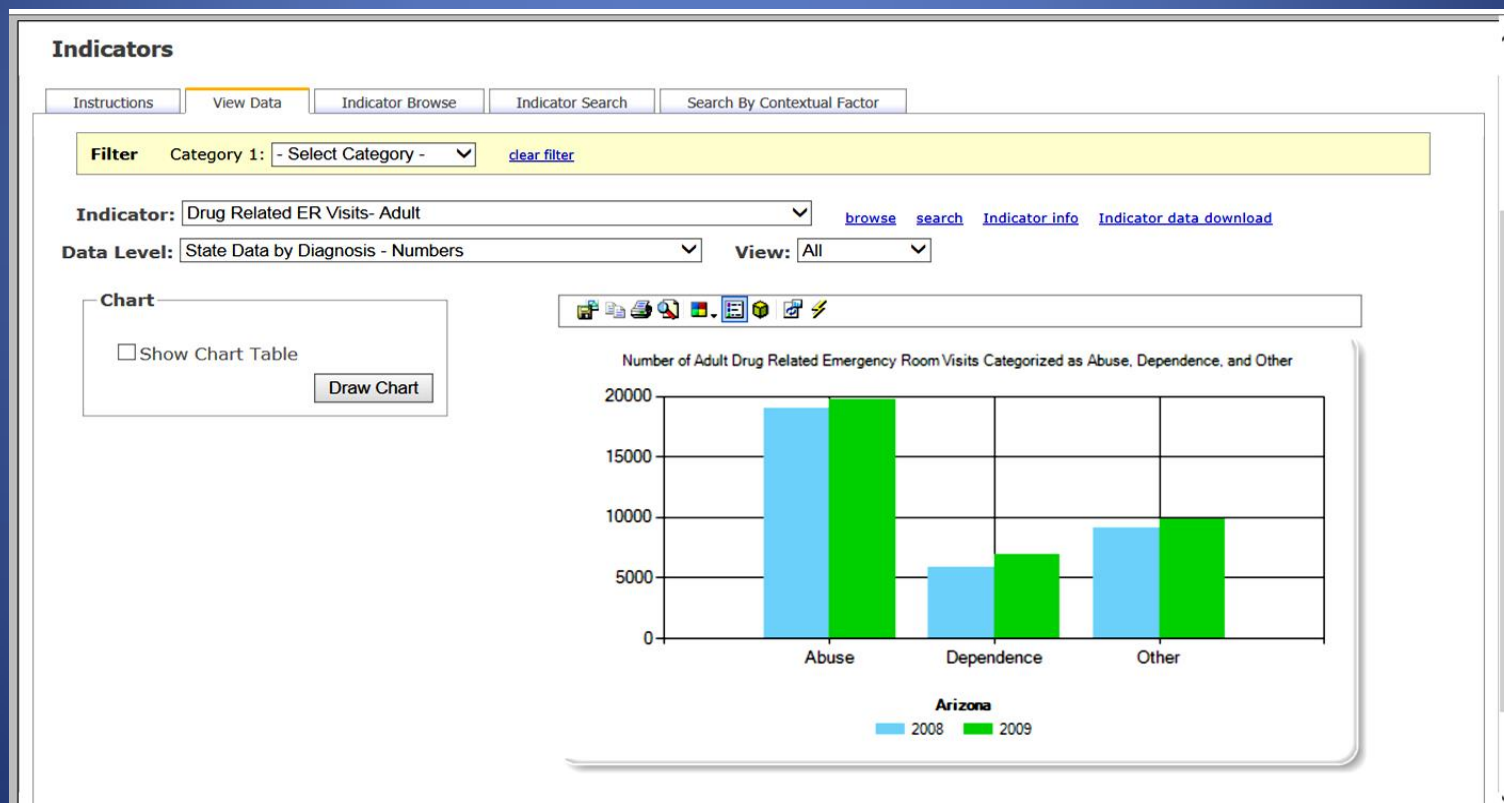
## Department of Public Safety





# Drug-Related Emergency Room Visits – Adult

## Arizona Department of Health Services





## Future of the CDP

- Website transition
  - Anticipated new site in January 2015
  - Moving permanently to the Arizona Criminal Justice Commission's website ([azcjc.gov](http://azcjc.gov))
  - New functionality and search tools – same great indicators!
- Updated data for most current indicators
- New data sources, new indicators

## For additional information on:

- Questions on the CDP and Data Requests:
  - Shana Malone: **[smalone@azcjc.gov](mailto:smalone@azcjc.gov)**
- Statewide Coordination and Collaboration:
  - Jeanne Blackburn: **[jblackburn@az.gov](mailto:jblackburn@az.gov)**
- General Information
  - Substance Abuse Epidemiology Work Group: **[epi@az.gov](mailto:epi@az.gov)**
- Questions regarding SIRC webinars :
  - Wendy Wolfersteig: **[wendy.wolfersteig@asu.edu](mailto:wendy.wolfersteig@asu.edu)**
  - Jana Wardian: **[jwardian@asu.edu](mailto:jwardian@asu.edu)**

For the Epi Work Group's strategic plan,  
please visit:

[http://gocyf.az.gov/Documents/SAP/SEWStrategic  
Plan.pdf](http://gocyf.az.gov/Documents/SAP/SEWStrategicPlan.pdf)